

ABSTRACT OF THE DISCLOSURE

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10 An electro-kinetic electro-static air conditioner includes a mechanism to clean the wire-like electrodes in the first electrode array. A length of flexible Mylar type sheet material projects from the base of the second electrode array towards and beyond the first electrode array. The distal end of each sheet includes a slit that engages a corresponding wire-like electrode. As a user moves the second electrode array up or down within the conditioner housing, friction between slit edges and the wire-like electrode cleans the electrode surface. The sheet material may be biasedly pivotably attached to the base of the second electrode array, and may be urged away from and parallel to the wire-like electrodes when the conditioner is in use. Another embodiment includes a bead-like member having a through opening or channel, through which the wire-like electrode passes. As the conditioner is turned upside down and rightside up, friction between the opening in the bead-like member and wire-like electrode cleans the electrode surface. The bead-like member may be made of ceramic, glass, or even metal. The through channel may be symmetrically formed in the bead-like member, but preferably will be asymmetrical to create a mechanical moment and increased friction with the surface of the wire-like electrode being cleaned.

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